Thomas James L. Francis

Roxbury, CT || (203)-278-1760 || https://thomasjamesfrancis.com/portfolio || Email: toj320@gmail.com

Education, Certifications, and Experience

- **~4 years** of **general** programming experience, **~1 year** of programming in a **professional** setting
- **Holberton** (18-month coding bootcamp): **Certification in Full Stack Web Development** (Sept. 2022)
- **Amazon Web Services: AWS Developer – Associate Certificate** (July 2022)
- **University of Connecticut**, **B.S. in Chemistry** (May, 2018): Roland Award for an Outstanding Senior Thesis (1 of 2 recipients from UConn Chem. Department); GPA: 3.3, UConn Honors Program, UConn STEM Scholar, New Haven Promise Scholar
- **Hill Regional Career** high school: **Honors Diploma**, weighted GPA: 4.49

Languages, Libraries, and Frameworks

- **Design:** Figma
- **Frontend**: React, Redux, Gatsby, Apollo, jQuery, TailwindCSS, Bootstrap, Vite, Yarn, NPM, Webpack
- **Backend(-ish)**: Django + Django REST APIs, Spring Boot, NodeJS, Express, GraphQL
- **Database**: PostgreSQL, MongoDB, SQLite, Redis
- **Deployment**: AWS, Docker, Nginx, Apache
- **Testing:** Selenium, React Testing Library, Jest, Python Unit Tests
- **Languages**: Python, TypeScript, JavaScript, Java, PostgreSQL, PL/SQL, C, C#, Bash (Linux)

Past Work Experience

- Sept 15th, 2019 to Oct 16th, 2020: **MHK**, Madison, full-time, **Application Support Analyst**
  - Main Job: Wrote SQL scripts to implement custom app configurations for clients
    - Oracle database, MarketProminence, InstallShield, teamwork, communication, Jira
  - Unique Contributions: Wrote and distributed python scripts to automate work
    - Automated bug reports and developed new Bug test processes for their new Web-based app
    - Produced the company's software installation with no prior experience nor help
- April 15th to May 29th,2019: **BYK**, Wallingford, full-time, **Level B Quality Control Chemist**
  - Main Job: Ran time-dependent measurement tasks utilizing various scientific instruments
  - Unique Contributions: Worked on special MS Access database projects for QC methods organization
- March 4th to April 12th, 2019: **Henkel**, Sun Products, Trumbull, Joule Inc. Hiring Agency
  - Main Job: Created detergent batches and conduct stability testing of samples
  - Unique Contribution: Created an MS Access database to replace existing Excel tracking systems
- Sept, 2018: **Duracell**, Bethel through Panther Group Hiring Agency
  - **Temporary position** loading batteries for Lab Request battery testing
  - Excel spreadsheet organization/file cleaning using basic coding (Python, xlwings, VBA)
- May-August 2017: **KX Technologies**, West Haven, **Intern**
  - Maintained water quality of filter media test stations
  - Researched key technology gaps in the utilization of nanomaterials for water filtration.

Leadership, Accomplishments, Entrepreneurship, Skills, and Activities

- Languages: Intermediate Spanish, Latin, basic Japanese
- Bicycled from New Haven, CT to Portland, ME (~300 miles)
- Founder of Sky Skill – https://skyskill.tech – web app for creating and sharing skill trees
- Created an education framework with the mission of a U.S. education system that works for everyone

References

Jason Smith: Business Relations Manager for MHK, CT, jsmith@mhk.com, Cell Number: (360) 223-1928

Nick Zappone: QC Manager for BYK, USA, Cell Number: (860)-681-8123